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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUL 06 2004

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Applicant:	GANG LUO ET AL.	§	Group Art Unit:	2172
Serial No.:	09/842,991	§		
Filed:	April 26, 2001	§	Examiner:	Chongshan Chen
For:	METHOD AND APPARATUS FOR PERFORMING HASH JOIN	§	Atty. Dkt. No.:	NCR.0038US (9558)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO OFFICE ACTION MAILED MAY 6, 2004

Dear Sir:

In response to the Office Action dated May 6, 2004, the applicants submit the following remarks regarding the above-identified application.

The claims have not been amended by this paper.

Remarks/Arguments begin on page 10 of this paper.

Date of Deposit: July 6, 2004
I certify that this document and authorization to charge deposit
account is being facsimile transmitted to the United States Patent and
Trademark Office (Fax No. 703/872-9306) on the date indicated
above.
Sherry Tipton
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INTELLECTUAL PROPERTY LAW ATTORNEYS

8554 Katy Freeway, Suite 100

Houston, Texas 77024

Bus: (713) 468-8880

Fax: (713) 468-8883

Fax

To:	Examiner Chonghsan Chen Group Art Unit 2172	From:	Dan C. Hu
Company:	USPTO	Date:	July 6, 2004
Fax:	(703) 872-9306	Pages:	14 (including coversheet)
Your Re:	09/842,991	Our Re:	9558 (NCR.0038US)

Attorney Docket No.: 9558 (NCR.0038US)

DCH/dlt

Date: April 30, 2004

The Patent and Trademark Office date stamp sets forth the receipt date (or both the receive date and the serial no.) of a patent application identified as follows:

Applicants: Gang Luo et al.
Serial No.: 09/842,991
Filing Date: April 26, 2001
Title: METHOD AND APPARATUS FOR PERFORMING HASH JOIN

1. Reply to Office Action Mail May 6, 2004

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